

RULES AND REGULATIONS

KANSAS CORPORATION COMMISSION

(Excerpted)

May 2004

K.A.R. 82-3-707. Groundwater management districts #2 and #5: anode, anode conductor, and anode conductor grout requirements for cased and uncased boreholes. This regulation shall apply only within the boundaries of groundwater management districts #2 and #5.

- (a) Each operator, owner, or person responsible shall install anodes and anode conductor in each cased cathodic protection borehole starting five feet below the bottom of the cathodic surface casing.
- (b) Each operator, owner, or person responsible shall install anodes and anode conductor grout in uncased boreholes according to the following requirements:
 - 1) Each anode for use in a public water supply system shall meet or exceed the requirements specified in section 4.2.3, "anode materials," in the American water works association's standard D104-01, as approved in 2001. Section 4.2.3 of this document is hereby adopted by reference.
 - 2) Each anode shall be installed from a minimum of three feet above the shale or impermeable bedrock surface to a maximum of 20 feet below land surface.
 - 3) The anode conductor grout shall be placed from the total depth to five feet above the anode nearest the land surface, using a grout tremie pipe or as recommended by the grout manufacturer.
 - 4) The anode conductor grout shall be certified by the national sanitation foundation to meet the criteria specified in section 8 of "drinking water treatment chemicals—health effects," NSF/ ANSI 60-2003e, as revised in October 2003. Section 8 of this document, titled "miscellaneous water supply products" and consisting of pages 27 through 34, is hereby adopted by reference.
 - 5) Anode conductor grout containing bentonite clay or any other similar material shall not be used if the salinity equals or exceeds 2,000 mg/L chloride in any portion of an aquifer.
- (c) Each failure to install anodes or grouting material in accordance with this regulation shall be punishable by a penalty of up to \$2,500.

(Authorized by K.S.A. 55-152 and K.S.A. 2003 Supp. 82a-1028; implementing K.S.A. 55-152, K.S.A. 2003 Supp. 55-164, and K.S.A. 2003 Supp. 82a-1028; effective, T-82-1-21-04, Jan. 21, 2004; effective May 14, 2004.)